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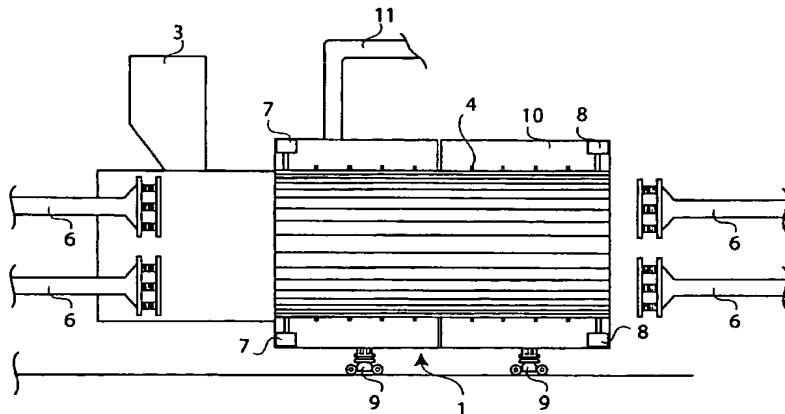
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(54) Title: DOUBLE FLOW CAGE COMPACTOR DRYER APPARATUS AND METHOD OF COMPACTING AND DRYING WASTES



(57) **Abstract:** The invention relates to a cage drying - compacting apparatus for wastes, comprising a cylindrical shape (1) and at least a pair of pressure plates (6), said cylindrical body (1) being comprised of heating longitudinal tubes (2), coursed by a thermal carrier fluid, provided along the generatrixes of the cylinder and spaced each other, in such a way to realise longitudinal slots for outlet of vapour but not for outlet of material, coupled by constraint hinge means, positioned at a given distance between centres, and said pressure plates (6) being placed opposed each other, operating as movable basis of said cylindrical body and acting as pressing pistons, steam generated by the heating step of said wastes being discharged through the longitudinal slots between said heating tubes, said apparatus providing further heat sources, provided inside the cage drying - compacting apparatus, all along its length, said sources being comprised of at least a tube coursed by thermal carrier fluid, means (3) for inlet of the material to be subjected to treatment, in a position close to one of the two ends of the apparatus, and means for collecting the material subjected to the treatment, in correspondence of the opposed end.

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